

CLAIMS

- 1 Thermoplastic polyester compositions not comprising polycarbonate, which comprise, by weight:
- 5 (i) a thermoplastic polyester;
- (ii) an impact modifier comprising:
- (a) a core-shell copolymer (A);
- (b) an ethylene copolymer (B) chosen from ethylene-unsaturated carboxylic acid anhydride copolymers (B1), ethylene-unsaturated
- 10 epoxide copolymers (B2) and blends thereof;
- (iii) the (B)/(A) ratio being between 90/10 and 25/75 for proportions of impact modifier between 2 and 40% in 98 to 60% of polyester, respectively, and advantageously between 5 and 40% in 95 to 60% of polyester, respectively;
- 15 (iv) the (B)/(A) ratio being between 25/75 and 10/90 for proportions of impact modifier between 18 and 40% in 82 to 60% of polyester, respectively.
- 2 Compositions according to Claim 1, in which the polyester is
- 20 chosen from PET and PBT.
- 3 Compositions according to Claim 1 or 2, comprising up to 30 parts by weight of copolyetherester per 100 parts of thermoplastic polyester.
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- 4 Compositions according to any one of the preceding claims, in which the copolymer (A) comprises an elastomer core and at least one thermoplastic shell.
- 30 5 Compositions according to any one of the preceding claims, in which the copolymers (B1) are ethylene-alkyl (meth)acrylate-maleic anhydride copolymers which comprise from 0.2 to 10% by weight of maleic

anhydride and from 0 to 40%, preferably 5 to 40%, by weight of alkyl (meth)acrylate.

6 Compositions according to any one of Claims 1 to 4, in which
5 the ethylene-unsaturated epoxide copolymers (B2) are ethylene-alkyl
 (meth)acrylate-unsaturated epoxide copolymers obtained by
 copolymerization of the monomers and contain from 0 to 40% by weight of
 alkyl (meth)acrylate and up to 10% by weight of unsaturated epoxide.

10 7. Compositions according to any one of the preceding claims,
 in which the proportions of (A) and (B) are such that the (B)/(A) ratio is
 between 90/10 and 70/30 and comprising up to 30 parts of polycarbonate
 per 100 parts of polyester.

15 8 Compositions according to any one of the preceding claims,
 comprising, per 100 parts by weight, 75 to 95 parts of polyester for 25 to 5
 parts of impact modifier, respectively.

20 9 Impact-modifier compositions comprising:
 (a) a shell-core copolymer (A);
 (b) an ethylene copolymer (B) chosen from ethylene-unsaturated
 carboxylic acid anhydride copolymers (B1), ethylene-unsaturated
 epoxide copolymers (B2) and blends thereof;
25 • the (B)/(A) ratio being between 90/10 and 25/75 for proportions of
 impact modifier between 2 and 40% in 98 to 60% of polyester,
 respectively, and advantageously between 5 and 40% in 95 to 60%
 of polyester, respectively;
 • the (B)/(A) ratio being between 25/75 and 10/90 for proportions of
 impact modifier between 18 and 40% in 82 to 60% of polyester,
30 respectively.